

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Please cancel claim 5 without prejudice.

1. (Currently amended): A cable comprising:
  - a conductive core; and
  - an optic fiber located longitudinally inside the cable;

wherein the optic fiber [[can]] forms an attachment with a ~~measuring~~ means[[.]] for measuring the temperature of the optic fiber.
2. (Original) The cable of claim 1,  
wherein the optic fiber is located in an interstice of the cable.
3. (Original) The cable of claim 1,  
wherein the optic fiber replaces a part of the conductive core.
4. (Original) The cable of claim 1,  
wherein the optic fiber is placed on the conductive core.
5. (Canceled).
6. (Currently amended): A method for determining a thermal acceptance of a conductive cable, comprising:
  - making a cable having an optic fiber longitudinally arranged inside the cable;
  - attaching the cable to an electrical system;
  - attaching the optic fiber to a temperature measuring means; and
  - measuring the temperature of the optic fiber.

7. (Currently amended) A method to rate a circuit, comprising:  
placing ~~the cable of claim 1~~ a cable having a conductive core and an optic fiber located longitudinally inside the cable wherein the optic fiber forms an attachment with a measuring means into the circuit;  
determining a rating for a new conductive cable.
8. The ~~method cable~~ according to claim [[7]] 1, wherein the ~~circuit cable~~ is located in a duct.
9. The ~~method cable~~ according to claim [[7]] 1, wherein the ~~circuit cable~~ is an overhead transmission cable.